

RECEIVED

OCT 23 2000

RECEIVED

OCT 19 2000

Sequence Listing

TECH CENTER 1600/2900

TECH CENTER 1600/2900

<110> Rudland, Philip S.
 Barraclough, Roger B.
 <120> Metastasis Inducing DNA's
 <130> WPT 0114 PUS
 <140> US 09/101,423
 <141> 1998-11-27
 <150> PCT/GB97/00074
 <151> 1997-01-10
 <160> 6

<210> 1
 <211> 1033 base pairs
 <212> DNA
 <213> Homo sapiens

<400> 1
 cttccttggg gctctatgtc ttgcctctcc ccttctccag tcccattaag ccataaccat 60
 cttgacagac tctgggacag tcccctctgc tctcctgttg gcgcctgagt ccctttttgc 120
 ctgaggaccc ttcacgtagc ctcccatctg gatgacctag tagaagacgt gggaagtgtg 180
 cacactcagg taactgagca gagctcagag atttaaagtg agtctgggga gcctcgagga 240
 ttgatctgct gccttaaaaa gccaatgga tgactaacc cagactattgt cacttttaggt 300
 gggaagtcac tagcatatct gatgggtcac atctgagaaa ggtttctagc agtggtggcc 360
 ttgtgtgagc agcatggcgt gtatcatggt gtgcagcata ctcaggctgc ttgcaacact 420
 cgaggctctt cttcagtatt aggggaacca ctgggtgtga acatgggtcca agaatacagt 480
 catgtgagga gaatcccaat gcgtcaggag aaaacgagag tctgtgacct ccattcttca 540
 agatacagaa ttattcttgg actgtgtttt catgctcctt gtggatggga gtgagtttac 600
 ttcagggttaa tcagcattgc ttactgttgg tattcaagta aatgcttaaa ttatcctgga 660
 tatacctctg tgggaagcag gtttttgata catgcagctt gtccttgtga ttgatactgc 720
 ttgaactcaa gagaactttg ctcatgtgat ctttcttaac cgatggagta gaaactgtct 780
 gatgctctca ataaagttgg ctcttgcacg agacgttagt ctgtcctggt tatctgctcc 840
 attcttccgc tcccacggcc tctacagcac taaaccacc accgatagac tcagtctttc 900



actgacaaac atcaccagag gctcttaact gagattataa actggtacta gatgatgggt	960
tgaatcgctc cccagaaaca taaacattta cttggagaac tcaagacccc tttgtagaca	1020
taactcccat ggt	1033

<210> 2
 <211> 1058 base pairs
 <212> DNA
 <213> Homo sapiens
 <400> 2

attgctgtga gcctattagc gacatttggg gacgcccctt ttaagggggg agatacaaag	60
aatggggttga aattctgtgc cacaaacgct ctccatgttt tcacaattac acttgcaacc	120
tgtgggtcagc agccagaatt tagggatgtg atgggacagg gtcgggggaaa gaaggagaag	180
ggtaaaggaa agacagcacg ttaaagtcca aacagctcca ggagactatc tgtagaaata	240
acatcagacc atgaggagaa ttgatatcat tgtttttcaa tgggtatcgc caaggggaact	300
ttccatctga ttaaaaataa ttactgctgg cactaaatcc aattggaaat gccccacaca	360
atztatcttc cacttcatgc tgctaccata tgctgacgt ggcggagcag aagcattccc	420
tcccgttctg ataaatagta ctttgtaa atttggagac gggagctctg gtgacaggga	480
acacgtacaa accggcctgt ttatcatgtt cccgatagag gccctctttg acgtacagga	540
ccccaaaaca gtcaggatgc tgtgaatttc cttccatgaa gccttggtca caattagcaa	600
ccattggagg aagcaggctg cactgtctac cacaagtggc actttccaaa gagcacacat	660
atattggagc aagacatttt gctggctgac tgggtgctgtg taagctgata aactgctata	720
tttattaaac tggcttttct ttgaacaccc cactcaagga aaaaaaaca cacttagggg	780
gacattattt ggagatgaag tctttataga gatgcttaag tttaaacgag acttttaaag	840
ccggctctat tccattta atgaatggtgtc cctacaaagg aagaaactgg gacagaggta	900
tgtacacttg tgtgtgtgtg agagacaacg tgaggagctg aagaggagca cgtacaagtc	960
agagaaaggc tgacccttat tcacactgag caaaccagtc atgtgtgggt cgatagatga	1020
gagtatcccc caagactcac acattcgaac gcttggtc	1058

<210> 3

<211> 1008 base pairs
<212> DNA
<213> Homo sapiens

<400> 3
aggaccagag ttcacatccc atcaaatggc ccagaagggtt ttaatgctgt cttttggccc 60
agggggcgaac tgcacacaca tgtgcacata cacttacaga gacacacatt cagcagcata 120
agaacacaat cacaaataaa aaaaatcttg aaaaatttta agctaaaatt gttaagaaat 180
aacatatata caatttttct ttattttttt aaagatttat ttatttaatg tatatgagta 240
cactgcctct ccctccagac atagcagtag agggcatcgg atcccattac agatgggttg 300
gagccaccat gtgggtttcac agatgggttg gagccaccat gtgggtttcag gaattgaact 360
caggaccttt ggaagagcag tcagtgtctt taacctctaa gccatctctc ctgaccctta 420
tatacaattt taatgctacg tacacacaac ttctctttcc tttaatgggt gagatttttg 480
tctggagaag taagaataaa ggaggggaaag aacattgctt tcacattgca ccagtgggaa 540
cagcgtgttt aaagtaggaa tgccatgaaa tgactggcct gccttctcat tactgttcct 600
cccactctc cttttaactg gagctccttt atctaattta ttagtttgac gatacccagg 660
gttttcttct gttttgatct ttttaagaca gagactcacc atatagccct ggctggcctg 720
aagctcacta tgtagaccag tctggccttg aactcaaagg agatctatct gcttcctagt 780
gctgggatta aaggcttggt ctaccaagtc tgggtctgagg ctttggagca gcctcggttt 840
tggccttctt taaggatctc taagctagca gtaagtagcc tagccatgct gttgtaggaa 900
gttgttcggt catcctgggt ccagcacaaa ggcagtcact aaacgtcggc ctcatctcat 960
cagagctgaa tgcaaattcc ttgtgtctct cctgtgtcct cctggaac 1008

<210> 4
<211> 1088 base pairs
<212> DNA
<213> Homo sapiens

<400> 4
agttggggac acagcttgct tgattaagat gtttcttggg aaaaggagtt aagcctaattg 60
atttccaatg gaaaggactg ctaattgggg aggcaatgtt gcttaattgg gacacctgcg 120

ggtaattaaa agctctctcc cagtggcctt tcctgttttt ggctctggga ggcgaaggca	180
ttgagaggga tgcaggcatt ctaagggctg gttcttggtt tctcccttcc cctctgtcca	240
aactcagtga ggtatccctg tctgtgctgt ccttagagtg ccgtcctgag gccttggtga	300
gttaaggtct ctggatctga gctgcctcag ggaaacgcat gagctcattg gaaaggggag	360
aaccaggcaa aggtgttggc tgtgacctca gaattctgag gggcaaaggt tcaaggctaa	420
ctctcattat agagcaagtt tgagactggc ctgggaacaa aaatataaag tgagtgggt	480
catatgacag cacctgagga gtctgtccc tagagatcat aaggacctgg ctgctgggga	540
cttggtgcag atggcacttt gtgtcgagag aggggacctg cccagcatg ggaggccctg	600
gaagatcctc tggattaact gtgaacactg attgctgctt tatacctgga gttgtgctgt	660
tatctggtac acatctgctg ggtgaatgag ttcattgggt ttatttcagt gaggtattta	720
cctgaggaga aagaaggact ggtgccacaa agcacagctt ttaaattctgt gggttgtgac	780
ccattatgga ctatcataac tgagtgcagg tatcaagaat actttagcag gtggtaaaaa	840
gatttttgaa tgcgcaacga ccaaaactga actcaaaaat caagcatggc atggatcctg	900
ggtgctcctg gaagcacttg cctttactgc attgtgagac ttgacggtag ccttggttct	960
gaatgcacaa cacgtgggct ttgggctgca caggccacca cgccgtgcct gaaacacctc	1020
agctcagggt tgtggctatg tcctatgact tggacttact tttattgcac atataaatat	1080
tttctctgc	1088

<210> 5
 <211> 960 base pairs
 <212> DNA
 <213> Homo sapiens

<400> 5	
gagggggtgg tggcacagtt atgtttttgt aggaagggtt ccatgaacct cagcagagct	60
cggggtagaa attttaaagc cctgagggga attttttttt taaatcgcta tgaatctgac	12
0	
atgagaaaaa cagatcagaa acgttcttgt gcttcagaaa aggacaagtg tgtgagctaa	180

cagactgcac actggtgttc gaggcacatc tggatcacag gagcgtcaga taatgtcccc	240
aaaggtaa at gcatttgctt gcacagtacc gagtgtggtg gggggtgcct acagcccagc	300
ggttctcaac cttcctgatg cttcgaccct ttaatacagt gcctcatgct ctggtgacct	360
ccccaacctt aaaattat ttgttgctgt tcataactgt gat ttttgata ctgttatgaa	420
ttgtaatata aataattttg aagaaagagg tttgccaaagg gtttgagaac tgctgttcta	480
gccccacgtg gatgggtttt cgtcatttgg ggtttttatg aggcagagtc ttatgtagcc	540
caggctagca gcctagaatg tgctacttag ctgaggaata accttggaac ttctgaggac	600
tggagagact ggcttagtcc tcaagaaact ggaaatagct ggagtttggc tacttggtggg	660
ttcctttttc ttcaaacctt ttctactctt tttccaccct gtcggccccc taacactaaa	720
taagaaagag aaaggggagc atagagggga aaagaaaccc ctgaataacg tcagtagttg	780
gcaaaggggg gtgacatatg ttgtcattag accacatcct ggtgattaag gggagtcaag	840
ttccttgggg caagtttgat ctttcgtgta acgatatcta atttcttctc cctgttgctt	900
cgtctttgtg aacaacgact tgataacca caatggacca tcaaccaacc aaccaacat	960

<210> 6
 <211> 1090 base pairs
 <212> DNA
 <213> Homo sapiens

<400> 6	
ttgtctctgg tggttacttgt tttcccat tctgacagtgg tttgaccttc tatacgacctg	60
tgtgtcagga gtgctgtaga cctat ttttcc tgttttcttt cagccagtta caggaacaga	120
gtgttctact gtcagatgtg tagctgttcc tgtccactga ctttcaagct gtctctgtgt	180
gcaggaacca gaagggcctg tccctacttc tactgggccc ctacgcacag ggggcctaga	240
tggtgctagg tgttttctc tagagcctga aatgtgggca gagagtagtc tcctctgggt	300
tcctaggtat gtcttccct ctgaaggct agctctccct tccatgggat atgggtgcag	360
ggagctgttt gaccaggctc tctcaa atcc ggggtgcagtc tggaccgcag gctcctgtag	420
cttgctgct gcaatcttcc cgcacccaga ggcacccaag tttcctcttg ggccaaggat	480

gtgggcaaag gtgggcagaa gtggcaatct ctccctgccct agcgtctcag gattgccctc	540
acttctgggc aatccgctct ctcttccaca gggtttggga gcaggagct gtgggccggt	600
atcaggcaaa ggtttgaggc aaccagttag aaactggaag tgtcagggtcc cagaggaatt	660
ttgcctttgt gtgtcctgag tccaccaggc aggtcacttg gagcagaaaa attggttttc	720
ccctcgggtct caggcctgaa gttgcacctc agggttggct ttcagctgta cctgtggaaa	780
gtatgggtttt aaaaatctaa gatagctatc atgcagcaag gcttgtgtaa aatgtctatt	840
tggttccttt atgacttact tttgctgtac tgaggatcaa acctaggggtc tcaagcagtc	900
atcacaattc tctgtcactg atccagctcc atttctattt tcttttgtcc cgcgcgatct	960
ctcgccagca agaaaacacg ctagggacat acgaatcctt gctgcagcca aaacttttat	1020
tgaatcttaa ggagaagccc gcgcaccgga ctggcgcggt ttatatacac cctagcacag	1080
tgcattccaca	1090